

FILE NAME: SY-12

CREATED: 14:29 01-01-22

DATA: **ORIGINAL** 

**MEASURING MODE:** 

ABS. SCAN SPEED: **FAST** 

SLIT WIDTH:

1.0

SAMPLING INTERVAL: 0.2

RESULT - (AREA-FACTOR) DIVISOR FACTOR = 9.999

REGIUM START END DIVISOR AREA RESULT

F I G. 1

F I G. 2A

100.00 [%]

> 3133.9 3133.9

Total area = 0.0

78.8 E

100.00 [%]

ے

шш

h 2.8

mm

63.5 63.5

2.8 | 71.0 Total height =

## CAMAGILC Evaluation Software

ARBRO PHARMACEUTICALS LTD 6/14 KIRTI NAGAR INDUSTRIAL AREA NEW DELHI PHONE: 5467228.515-0437. FAX: 91-11-5463784, E-mail: arbo@vsn1.com

TLC/HPTLC-Integration (CATS3.18 S/N:0207A004 / SCANNER I I V3.14 S/N:990602)

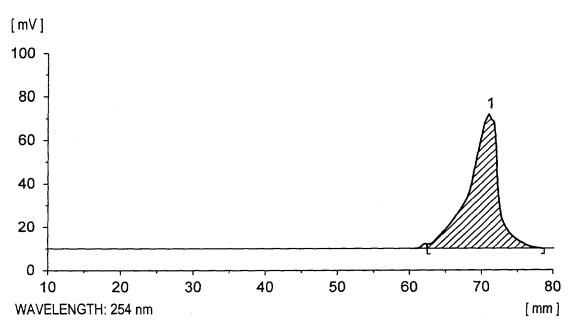
# ESTIMATION OF L-LYSINE BY HPTLC

A LTD 14:49:46 ARMA LTD 14:54:52	RMA LTD 15:19:26	area a [%] 3186.2 100.00 3186.2	area
ARBRO PHARM. 3/JUN/ 0 3: ARBRO PH/	PHAI	end mm h 78.2 0.1 Total area =	end
eated: /	File name: AlvillyOUser while integrating:	a: h mm h [%] 0.4 72.6 64.1 100.00 tal height = 64.1	nax max
Calibr. Table Calibra File na	File no User v	Track 1. Analysis a:  Peak start  # mm h mm  1 61.1 0.4 72.6  Total height =	Track 2. Standard level 1. Peak   start

CALIBRATION: H: AMINO ARBRO PHARMA LTD METHOD SCAN INTEGRATION CALIBRATION DATA END

3/JUN/2000 15:05 HELP

### STANDARD LEVEL 1



TRACK: 2, NOISE LEVEL: 0.108mV, RAW DATA FILE: AMINO CATS3.18 S/N: 0207A004 CAMAG SOFTWARE (c) 1996 SCANNER II: 990602

TRACK	2. STA	ANDARL	LEVEL	1						
PEAK	1		1	MAX				<b>ND</b>	.1	
# 1	mm 62.9	h 2.8	mm 71.0	h 63.5	[%] 100.00	1	mm 78.8	h 0.0	a 3133.9	[%] 100.00
		TOTAL	HEIGHT :	= 63.5			ATOT	L AREA	x = 3133.9	

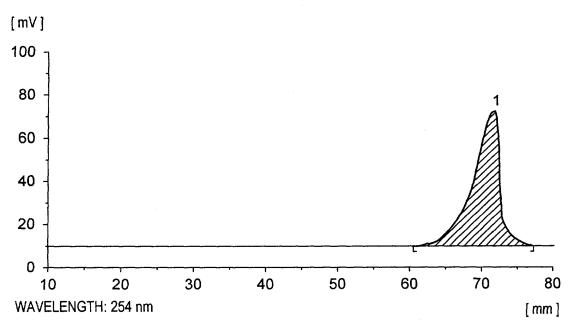
FIG. 2b

CALIBRATION: H: AMINO

ARBRO PHARMA LTD METHOD SCAN INTEGRATION CALIBRATION DATA END 3/JUN/2000 15:10

HELP

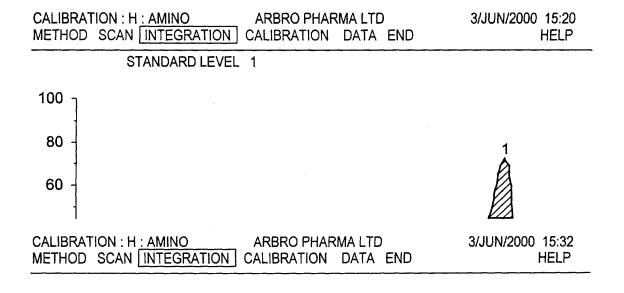
STANDARD LEVEL 1

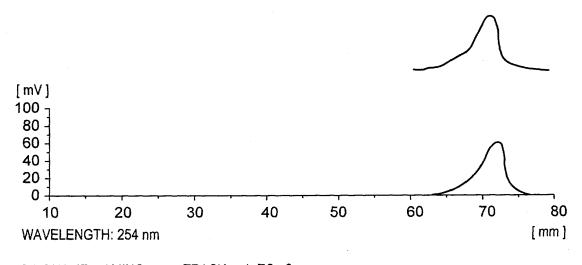


TRACK: 1, NOISE LEVEL: 0.108mV, RAW DATA FILE: AMINO CATS3.18 S/N: 0207A004 CAMAG SOFTWARE (c) 1996 **SCANNER II: 990602** 

TRACK	1. ANA	ALYSIS	a:						
PEAK	STA	.RT		MAX		E	ND	ARE	ĒΑ
#	mm	h	mm	h	[%]	mm	h	a 3186.2	[%]
1					100.00				100.00
		IOIAL	neigni -	- 04.1		1017	IF VIZEV	- 3100.2	

F I G. 2c





FILE NAME: AMINO TRACK 1 TO 2
CATS3.18 S/N: 0207A004 CAMAG SOFTWARE (c) 1996 SCANNER II: 990602

FIG. 2d

SUBMITTER:

**PUSHPA KHANNA** 

SAMPLE NAME:

GOURDIN

DATE:

SEQUENCE: CYCLE #:	ASP GLY — 1	LEU VAL ILE – 2	SER GLU — 3		GLN THR — 5	TYR VAL THR /	, GLY — 7	SER GLN — THR 8	HIS ARG GLN LEU 9
SEQUENCE: CYCLE #:	LYS ARG- 10	TYR ILE LEU — 11	ARG HIS ALA LYS — 12	HIS GLU TYR — 13	ASN ASP — 14	ARG MET ILE — 15	GLY ASP ASN LEU — 16	ARG THR ASP — 17	ARG HIS ALA 18
SEQUENCE: CYCLE #:	SER GLU LEU LYS — 19	ARG GLU — 20	SER PRO ALA — 21	ILE ASP — 22	GLU LEU ILE — 23	PHE TYR — 24	THR SER ASN — 25	PRO ARG ALA HIS — 26	HIS ARG GLY 27
SEQUENCE:	GLY VAL ALA — 28	GLY —	ARG-	VAL LEU ILE –	ASN SER — 32	PRO ILE THR — 33	ALA VAL — 34	ASN 35	

	GLY			VAL		PRU		
	VAL			LEU	ASN	ILE	ALA	
SEQUENCE:	ALA -	GLY -	ARG-	ILE -	SER -	THR —	VAL -	ASN
CYCLE #:	28	29	30	31	32	33	34	35

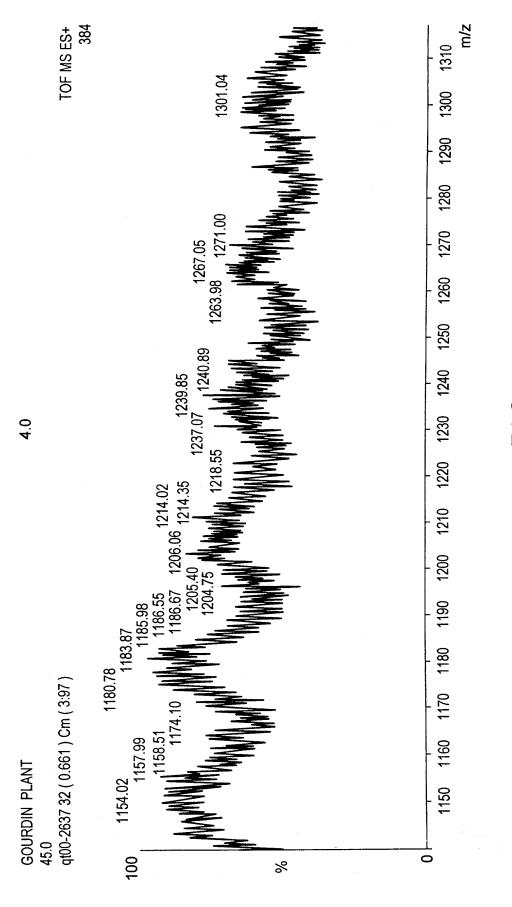
56.13 YIELD(pmol): ILE(2) 98.11 YIELD(pmol): GLU(3)

CARRYOVER: ILE(6) 22.6% **REP YIELD:** ILE(2.23) 92.3%

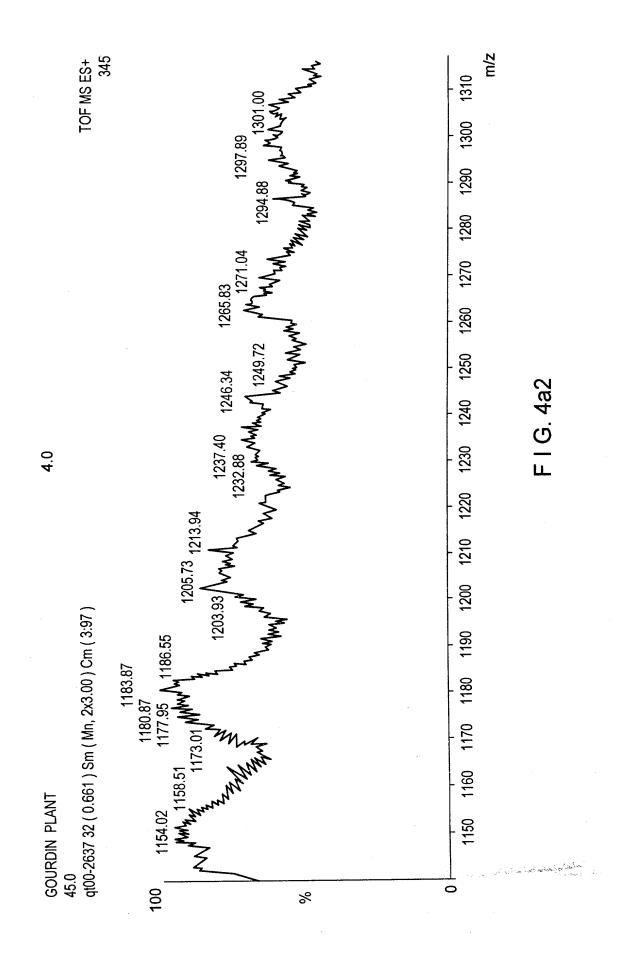
23.0% SEQSTD YIELD: NL(6) 2.30 SEQSTD CARRYOVER: NL(6)

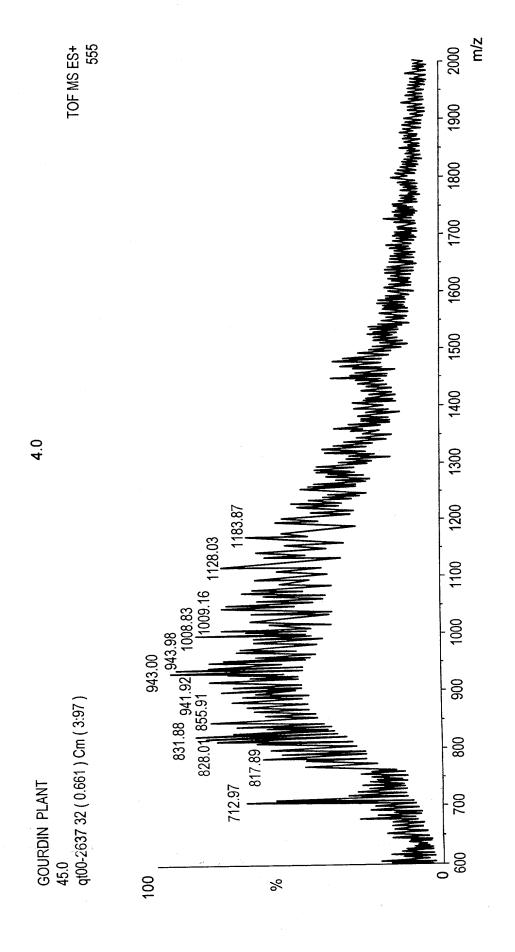
> NL(6.11) 97.0% SEQSTD REP YIELD:

Mixtures with interchangeable amino acid at COMMENTS: positions 12,13,15-19, 25-27 and 31-34. Appears to be a mixture of sequences.

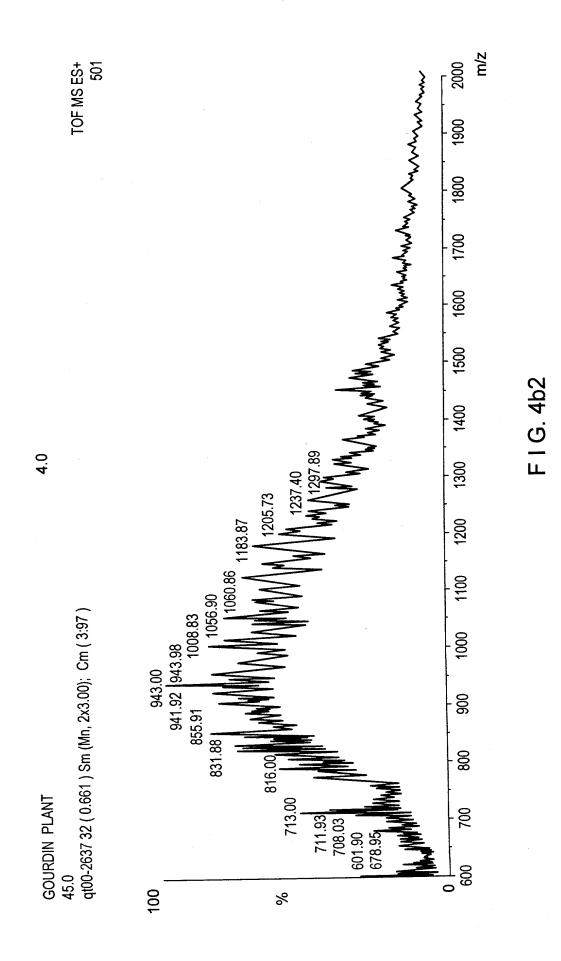


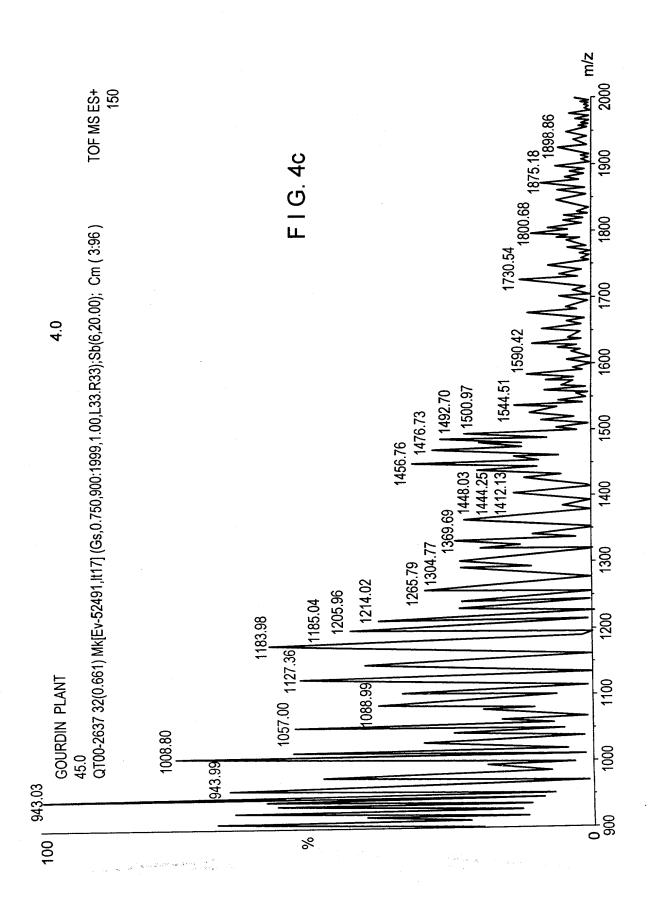
F1G. 4a1

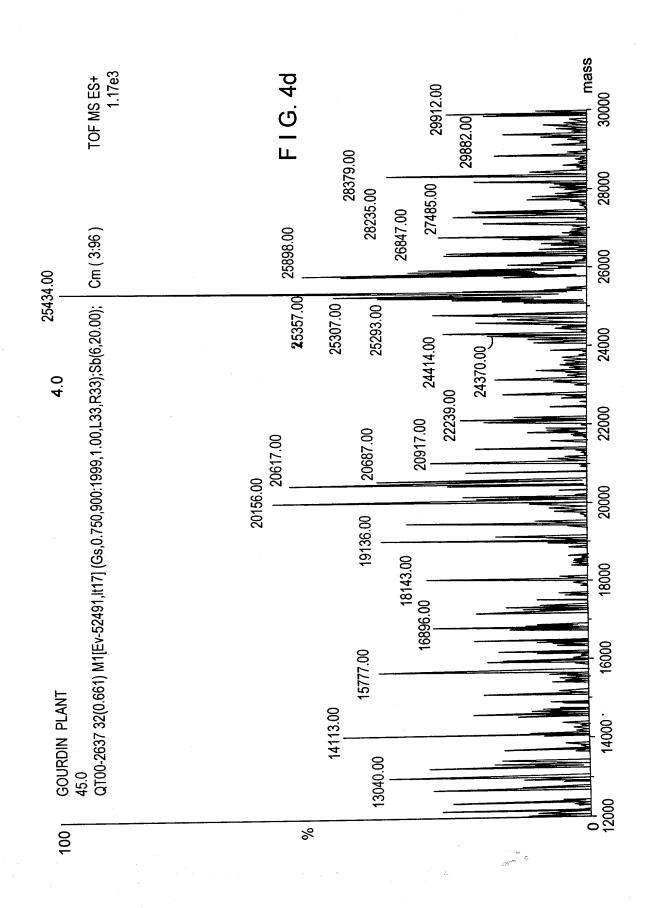


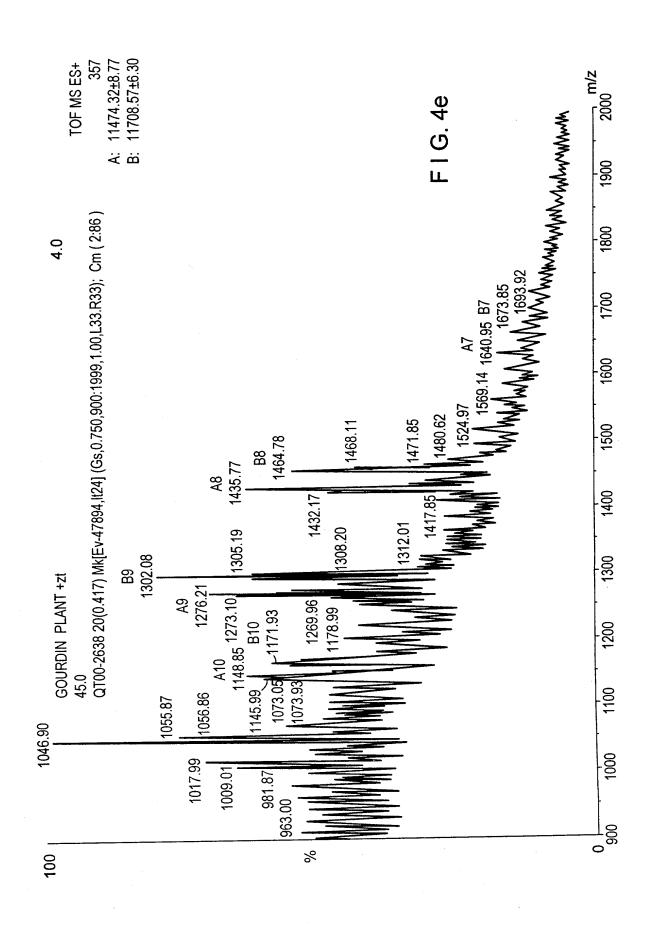


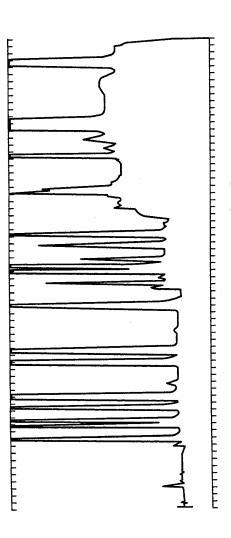
F I G. 4b











INTERFACE 01 0-68 Min SCALE: 15 Mv Ch. A, 15 Mv Ch. B AMINO ACID ANALYSI PROCESSED: 11-22-2000 14:26:30, SEGMENT 17, CYCLE 936 RAW DATA SAVED IN FILE K: AAA936.PTS SECOND CHANNEL STORED IN K: BAA936.PTS

### **EXTERNAL STANDARD TABLE**

*********	**************************************	14:26:30 Versio	n 4.1 **********	**************
Sample Name: amino acid analysis	no acid analysis	Cr)	Data	Data File: K:AAA936
Date: 11-22-2000 14	Date: 11-22-2000 14:26:30 Method: F:REBECKA	CKA	11-22-2000	11-22-2000 13:54:21 #457
Interface: 0	Cycle #: 936 C	Operator jmc	Channel #: 0	Vial #: N.A.
Starting Peak Width: 21 Threshold: .5	: 21 Threshold: .5	Area Threshold: 500	old: .5 Area Threshold: 500	********
Starting Delay:	00.00		Ending retention time:	n time: 68.00
Area reject:	2000		One sample per:	r: 2.002 sec.
Amount injected:	1.00		Dilution factor:	1.00
Sample weight:	1.000000			

SEE FIG. 5a2

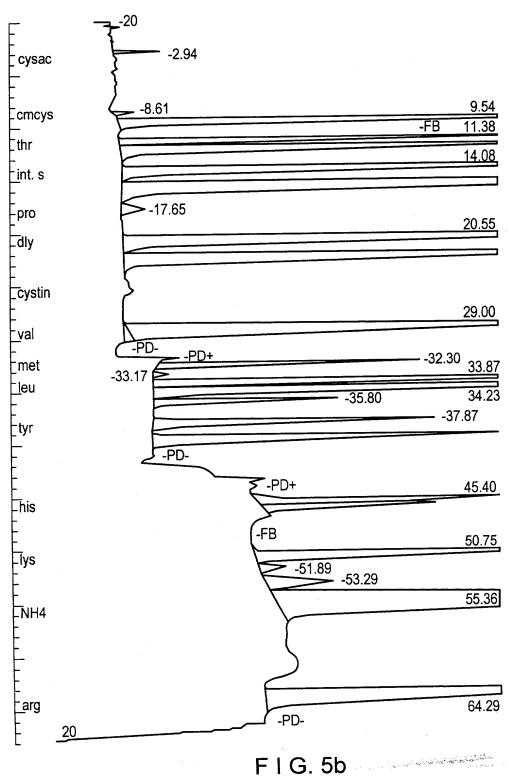
FIG. 5a1

SEE FIG. 5a1 ▲

CONC/	3.4373E-06	4.28185-06	3.5658E-06	3.6674E-06	3.4380E-06	1.0041E-06	3.3779E-06	1.0314E-04	3.1408E-06	3.5248E-06	3.6541E-06	3.5792E-06	0.0000E+00	3.4392E-06	3.3255E-06	1.6777E-06	3.6666E-06	3.9472E-06		0.0000E+00	3.2302E-06	5.7275E-06	0.0000E+00	1.7279E-06	3.5009E-06	
% DELTA RET TIME	-1.592	0	.5811	.1132	0	0	.1667	2854	0	0	0	.0101		0931	0	0	0	0	0		0	0		0	0	5a2
REF PEAK	9	9	9	ၑ	9	9	9	9	တ	တ	တ	16		16	16	16	16	16	16		16	16		16	16	FIG.
В	~	<del></del>	<del></del>	7	7	7	7	7	7	7	~	<del>~</del>	~	7	7	7	<del>-</del>	-	7	7	7	7	7	7	<del>-</del>	
AREA/ HEIGHT	13.4	13.7	16.6	20.7	21.5	24.4	27.4	34.8	30.0	31.7	42.7	17.9	19.4	22.9	25.1	26.3	30.8	31.7	24.9	26.3	29.1	35.5	46.6	57.7	45.9	
HEIGHT	1550	960	61489	15245	27668	23599	71617	808	36599	25276	16490	8772	523	23330	38035	6196	9412	12881	8185	5442	13267	913	2246	61870	22156	
AREA	20695	9266	1019304	314916	595007	576309	1959672	28161	1098728	801412	783543	157161	10132	535119	953284	163238	290327	408260	203562	154147	385456	32441	102408	3568874	1016938	
NORMALIZED CONC	0.1504%	0.0856%	7.6853%	2.4420%	4.3254%	2.1985%	13.9567%	6.1414%	7.2968%	5.9961%	5.4358%	1.1894%	0.0000%	3.8914%	6.7031%	0.5791%	2.2508%	3.4075%	2.6711%	%0000	2.6327%	0.3929%	0.0000%	13.0391%	7.5279%	
CONCENTRATION in nmoles			3.6346	1.1549	2.0456	1.0397	6 6105	0.0133	3.4509	2.8168	2.6160	0.5625	0.000	1.8404	3.1701	6.2739	1.0645	1.6115	1.2110	0.0000	1 2451	0.1	0.000	6.1666	3.5602	47.2934
CONCE						7	;	v.	)								<u>:</u>									IN.
PEAK NAME			XX	ž Į	בה אם מי	int std	×	oro+ cvs		2 <u>a</u>	ָבָּ בַּ	5 t		<u> </u>			-		i sic		<u> </u>	2		NH4		TOTAL AMOUNT:
RET	2 036	2.330 8.600	0.543	3.040 11 378	10 110	14 081	15,649	17.651	20.554	20.054 22.056	28.22	32 200	33.166	33.067	34 735	25.7.00	27.871	39.473	45.479	46.013	50.751	51.85	53 287	55.355	64.197	TOT
PEAK	•	- c	٦ ٣	) <del>-</del>		o u				_	_	- 5			<u>,</u>	5 4	5 5	- <del>2</del>	5 6	6- C	2 6	, , , ,	22	27	25	

AREAS, TIMES, AND HEIGHTS STORED IN: K: AAA936.ATB
DATA FILE = K: AAA936.PTS PRINTED ON 11-22-2000 AT 14:27:06
START TIME: 0.00 min. STOP TIME: 68.00 min. OFFSET: 0 mv

FULL RANGE: 15 millivolts



### **EXTERNAL STANDARD TABLE**

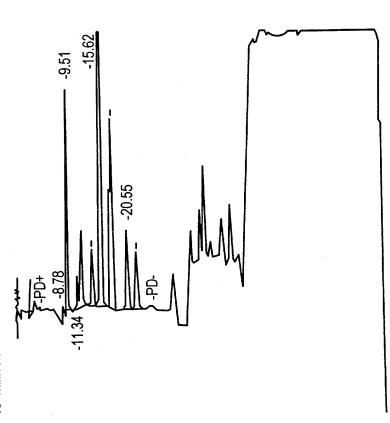
			EXIERNAL SIANDARD IABLE	AL OIAN	ב האבם	יסרני				
*********************************	***********		11-22-2000	14:28:43		on 4.1 ***	*****	*******	Version 4.1 ***********************************	*******
Sample Name: amino acid analysis	amino acid	analysis						Dat	Data File: K:BAA936	A936
Date: 11-22-2000 14:26:30	0 14:26:30	Meth	Method: F:REBECKA	₹			7	11-22-2000	13:55:21	1 # 257
Interface: 0	Cycle	-44	o	Operator jmc	ဍ	Channel #: 1	2#: 7		Vial #: N.A.	¥.
Starting Peak Width: 21 Threshold: .5	Vidth: 21 T	hreshold	J. 5 A	ea Thres	Area Threshold: 500	*****	÷	***************************************	****	****
**************************************	0.00	***	**************************************		;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;		Endin	g retent	Ending retention time:	68.00
Area reject:	2000						One s	One sample per:	.=	2.002 sec.
Amount injected: Sample weight:	d: 1.00 : 1.000000	000					Dilutic	Dilution factor:	;•	1.00
DEAK RET PFAK	AK CONCENTRATION	RATION	NORMALIZED			<b>AREA</b>	ō	REF	% DELTA	CONC/
NUM TIME NAME		in nmoles	CONC	AREA	HEIGHT	HEIGHT	ם	PEAK	<b>RET TIME</b>	AREA
		0.000.0	0.0000%	5143	286	18.0	_		0	0.0000E+00
2 9.510		0.000.0	%0000.0	129394	7107	16.8	<del>-</del>		Ö	0.0000E+00
2 11345		0.0000	%0000.0	24969	1171	21.3	7		Ö	0.0000E+00
4 12 079		0.000.0	0.0000%	59106	2389	24.7	7		Ö	0.0000E+00
5 14 047		0.000.0	0.0000%	47121	1978	23.8	<del>-</del>		.2393 0.	0.0000E+00
6 15.616 alx		6.2317	74.6757%	375516	13802	27.2	<del>-</del>	7	0	1.6595E-05
	-cvs	(2.1133)	25.3244%	199944	6665	30.0	<del>-</del>	7	<del>-</del>	1.0570E-05
		0.0000	0.0000%	83682	2753	30.4	_		Ö	0.0000E+00
9 22.222		0.0000	%0000'0	67237	2027	33.2	<del></del>		Ö	0.0000E+00
TOTAL AMOUNT:	MOUNT:	8.3451								
										1

F1G. 5c1

SEE FIG. 5c2

SEE FIG. 5c1





F1G. 5c2